

What is claimed is:

1           1. A spring strut support bearing, comprising:  
2           a top bearing having an inner ring by way of which  
3           the top bearing can be affixed to the end of a piston rod  
4           of a shock absorber connected to a vehicle body;  
5           an outer ring surrounding the inner ring with radial  
6           clearance defining a gap therebetween, the outer ring  
7           being stationary with respect to the vehicle body;  
8           at least one elastic spring element made of rubber-  
9           elastic material located in the gap formed by the  
10          clearance;  
11          wherein the inner ring has two end faces, on each of  
12          which has at least one elastically flexible stop buffer  
13          for limiting extreme deflection movements along a  
14          deflection direction defined by the motion of a shock  
15          absorber, each of the stop buffers having the capability  
16          of being brought into contact with counter stop faces.

1           2. The spring strut support bearing as recited in Claim  
2           1, wherein the stop buffers and the elastic spring  
3           element are formed in one piece and of the same material.

1           3. The spring strut support bearing as recited in Claim  
2           1, wherein the stop buffers are produced separately and  
3           connected frictionally and/or with form locking to the  
4           respective end face of the inner ring.

1           4. The spring strut support bearing as recited in Claim  
2           3, wherein the stop buffers are snapped into undercut  
3           recesses in the respective end faces of the inner ring.

1           5. The spring strut support bearing as recited in Claim  
2           1, wherein the inner ring has at least one opening  
3           extending essentially in the axial direction from end

4 face to end face, and that the opening is penetrated by  
5 material of the stop buffers.

1 6. The spring strut support bearing as recited in Claim  
2 3, wherein the inner ring has at least one opening  
3 extending essentially in the axial direction from end  
4 face to end face, and that the opening is penetrated by  
5 material of the stop buffers.

1 7. The spring strut support bearing as recited in Claim  
2 3, wherein the stop buffers are made of cellular  
3 polyurethane.

1 8. The spring strut support bearing as recited in Claim  
2 5, wherein the stop buffers are made of cellular  
3 polyurethane.

1 9. The spring strut support bearing as recited in Claim  
2 1, wherein the stop buffers on each end face of the inner  
3 ring are formed in each case by at least three lug cams  
4 uniformly distributed in the circumferential direction.

1 10. The spring strut support bearing as recited in Claim  
2 2, wherein the stop buffers on each end face of the inner  
3 ring are formed in each case by at least three lug cams  
4 uniformly distributed in the circumferential direction.

1 11. The spring strut support bearing as recited in Claim  
2 1, wherein the outer ring is fixedly mounted in an  
3 essentially cup-shaped flange, and the flange is fixedly  
4 joined to the vehicle body.

1 12. The spring strut support bearing as recited in Claim  
2 4, wherein the outer ring is fixedly mounted in an  
3 essentially cup-shaped flange, and the flange is fixedly

4 joined to the vehicle body.

1 13. The spring strut support bearing as recited in Claim  
2 1, wherein the counter stop faces are formed axially on  
3 the one side by bottom of the flange, and axially on the  
4 other side by the vehicle body.